

ABSTRACT OF THE DISCLOSURE

In humans, approximately 60% of expressed immunoglobulin light chains are of the Kappa type and 40% of the Lambda type. In mice, there is almost no expression from the Lambda locus and over 95% of light chains are of Kappa type.

- 5 The present invention discloses, among other things, transgenic mice carrying most of the human Ig Lambda light chain locus in their genome. The resulting mice express light chains with Kappa/Lambda ratio similar to the human ratio. Breeding of HuIg Lambda mice to Kappa-deficient mice also is described, as well as the generation of human monoclonal antibodies from transgenic mice with human Ig Lambda locus.